

In the claims:

Claims 1-5 (Cancelled)

6. (Currently Amended) A method of processing a voice mail message in a unified messaging system using a wireless mobile communication device having circuitry for communicating over a wireless data communication channel and a wireless voice communication channel, the method comprising:

receiving the voice mail message at the unified messaging system and storing it in a data store associated with a user of the wireless mobile communication device;

detecting the stored voice mail message at the data store and transmitting a notification signal to the wireless mobile communication device via the wireless data communication channel, the notification signal including information regarding the voice mail message;

displaying the voice mail message information on a display interface of the wireless mobile communication device, the display interface providing one or more commands for processing the voice mail message, wherein one of the one or more commands includes a message retrieval command;

transmitting a command signal from the mobile communication device to the unified messaging system via the wireless data communication channel, the command signal including the message retrieval command;

providing the message retrieval command to a voice mail system component of the unified messaging system;

the voice mail system component initiating a voice call to the wireless mobile communication device in response to the message retrieval command via the voice communication channel; and

transmitting the voice mail message to the wireless mobile communication device via the voice communication channel.

7. (Previously Presented) The method of claim 6, further comprising playing the voice mail message on the mobile communication device.

8. (Previously Presented) The method of claim 6, wherein the step of transmitting the notification signal to the mobile communication device further comprises:

preparing an email message including the information regarding the voice mail message;
and

transmitting the email message to the mobile communication device.

9. (Previously Presented) The method of claim 6, wherein the information regarding the voice mail message comprises at least one of a message waiting indicator, a voice mail message reference identification, a voice mail access telephone number, a caller identification, or a date and time of the voice mail message.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) The method of claim 6, wherein the notification signal is one of an e-mail message, an SMS message, an Internet Message Service message, an Enhanced Messaging Service message, or a Multi-Media Messaging Service message.

18. (Currently Amended) A method of remotely controlling a voice mail system using a wireless device capable of communicating via a wireless data network and a wireless voice network, the method comprising:

receiving a voice call at the voice mail system and storing a voice mail message in a voice mail box associated with ~~the~~ a user of the wireless device;

detecting the stored voice mail message in the voice mail box;

transmitting a notification message to the wireless device via the wireless data network, the notification message indicating that the voice mail message is stored in the user's voice mail box;

transmitting a connection request command message from the wireless device to the voice mail system via the wireless data network;

in response to the connection request command, the voice mail system initiating a voice call to the wireless device via the wireless voice network; and

receiving the stored voice mail message at the wireless device via the wireless voice network.

19. (Previously Presented) The method of claim 18, further comprising:

interfacing a private branch exchange (PBX) system to the voice mail system;

receiving the voice call at the PBX system and routing the voice call to the voice mail system.

20. (Previously Presented) The method of claim 19, wherein the voice mail system is integrated into the PBX system.

21. (Previously Presented) The method of claim 18, further comprising:

associating a reference identification with the stored voice mail message;

including the reference identification in the notification message transmitted to the wireless device; and

including the reference identification in the command signal transmitted to the voice mail system so that the voice mail system can process the stored voice mail message.

22. (Previously Presented) The method of claim 18, wherein the voice mail system is coupled to a unified messaging system, the method further comprising:

interfacing the unified messaging system with the voice mail system; and
generating the notification message at the unified messaging system.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Previously Presented) The method of claim 22, further comprising:

transmitting e-mail messages from the unified messaging system to the wireless device via the wireless data network.

28. (Previously Presented) The method of claim 27, wherein the e-mail messages are stored at an e-mail server that interfaces with the unified messaging system.

29. (Previously Presented) The method of claim 18, wherein the notification message is one of an e-mail message or an SMS message.

30. (Previously Presented) The method of claim 18, wherein the notification message includes information describing the voice mail message stored in the voice mail box.

31. (Previously Presented) The method of claim 30, wherein the notification message information includes at least one of a voice mail reference identifier, a voice mail system telephone access number, caller identification information, or a date and time of the voice call.

32. (Previously Presented) The method of claim 18, further comprising:

displaying a unified event listing at the mobile device, the unified event listing including at least e-mail message events and voice mail message events received at the wireless device.

33. (Previously Presented) The method of claim 32, further comprising:

associating a first graphical icon with the e-mail message events and a second graphical icon with the voice mail message events at the wireless device; and

displaying the first and second graphical icons on the unified event listing.

34. (Previously Presented) The method of claim 33, further comprising:

the user selecting one of the graphical icons associated with a voice mail message; and
displaying voice mail message information regarding the selected voice mail.

35. (Previously Presented) The method of claim 34, wherein the voice mail message information includes at least one of a voice mail reference identifier, a voice mail system telephone access number, caller identification information, or a date and time of the voice call.

36-40 (Cancelled)

41. (Previously Presented) The method of claim 18, further comprising:

displaying a command list at the wireless device, the command list including one or more commands associated with voice mail operations; and

selecting and transmitting one of the commands on the command list from the wireless device to the voice mail system to remotely control the operation of the voice mail system.

42. (Currently Amended) The method of claim 41, further comprising:

for each of the commands on the command list, configuring the wireless device to output a voice mail system operating commands; and

after a command is selected, transmitting the voice mail system operating commands from the wireless device to the voice mail system.

43. (Currently Amended) The method of claim 42, wherein the voice mail system operating commands comprises a sequence of one or more DTMF signals.

44. (Cancelled)

45. (Previously Presented) The method of claim 18 , further comprising

the wireless device recognizing an incoming call from the voice mail system; and

automatically answering the incoming call without engaging a ringing mechanism on the wireless device.

46-52 (Cancelled)

53. (New) A system for remotely controlling a voice mail system using a wireless device capable of communicating via a wireless data network and a wireless voice network, comprising:

means for receiving a voice call at the voice mail system and storing a voice mail message in a voice mail box associated with a user of the wireless device;

means for detecting the stored voice mail message in the voice mail box;

means for transmitting a notification message to the wireless device via the wireless data network, the notification message indicating that the voice mail message is stored in the user's voice mail box;

means for transmitting a connection request command message from the wireless device to the voice mail system via the wireless data network;

means, responsive to the connection request command for initiating a voice call to the wireless device via the wireless voice network; and

means for receiving the stored voice mail message at the wireless device via the wireless voice network.

54. (New) The system of claim 53, further comprising:

means for interfacing a private branch exchange (PBX) system to the voice mail system;

and

means for receiving the voice call at the PBX system and for routing the voice call to the voice mail system.

55. (New) The system of claim 54, wherein the voice mail system is integrated into the PBX system.

56. (New) The system of claim 53, further comprising:

means for associating a reference identification with the stored voice mail message;

means for including the reference identification in the notification message transmitted to the wireless device; and

means for including the reference identification in the command signal transmitted to the voice mail system so that the voice mail system can process the stored voice mail message.

57. (New) The system of claim 53, wherein the voice mail system is coupled to a unified messaging system, the system further comprising:

means for interfacing the unified messaging system with the voice mail system; and

means for generating the notification message at the unified messaging system.

58. (New) The system of claim 57, further comprising:

means for transmitting e-mail messages from the unified messaging system to the wireless device via the wireless data network.

59. (New) The system of claim 58, wherein the e-mail messages are stored at an e-mail server that interfaces with the unified messaging system.

60. (New) The system of claim 53, wherein the notification message is one of an e-mail message or an SMS message.

61. (New) The system of claim 53, wherein the notification message includes information describing the voice mail message stored in the voice mail box.

62. (New) The system of claim 61, wherein the notification message information includes at least one of a voice mail reference identifier, a voice mail system telephone access number, caller identification information, or a date and time of the voice call.

63. (New) The system of claim 53, further comprising:

means for displaying a unified event listing at the mobile device, the unified event listing including at least e-mail message events and voice mail message events received at the wireless device.

64. (New) The system of claim 63, further comprising:

means for associating a first graphical icon with the e-mail message events and a second graphical icon with the voice mail message events at the wireless device; and

means for displaying the first and second graphical icons on the unified event listing.

65. (New) The system of claim 64, further comprising:

means for selecting one of the graphical icons associated with a voice mail message; and

means for displaying voice mail message information regarding the selected voice mail.

66. (New) The system of claim 65, wherein the voice mail message information includes at least one of a voice mail reference identifier, a voice mail system telephone access number, caller identification information, or a date and time of the voice call.

67. (New) The system of claim 53, further comprising:

means for displaying a command list at the wireless device, the command list including one or more commands associated with voice mail operations; and

means for selecting and transmitting one of the commands on the command list from the wireless device to the voice mail system to remotely control the operation of the voice mail system.

68. (New) The system of claim 67, further comprising:

means, applicable to each of the commands on the command list, for configuring the wireless device to output a voice mail system operating command; and

means for transmitting the voice mail system operating command from the wireless device to the voice mail system.

69. (New) The system of claim 68, wherein the voice mail system operating command comprises a sequence of one or more DTMF signals.

70. (New) The system of claim 53, further comprising

means for recognizing an incoming call from the voice mail system; and

means for automatically answering the incoming call without engaging a ringing mechanism on the wireless device.

71. (New) A wireless device capable of communicating via a wireless data network and a wireless voice network, the wireless device for use in conjunction with a voice mail system that receives a voice call and stores a voice mail message in a voice mail box associated with a user of the wireless device, comprising:

means for receiving a notification message via the wireless data network, the notification message indicating that the voice mail message is stored in the user's voice mail box; and

means for transmitting a connection request command message from the wireless device to the voice mail system via the wireless data network;

wherein the connection request command causes the voice mail system to initiate a voice call to the wireless device via the wireless voice network, the wireless device including means for automatically answering the voice call and receiving the stored voice mail message via the wireless voice network.